

CLAIM(S)

What is claimed is:

- 5 1. An aqueous slurry comprising pigmentary aluminum trihydrate, aluminum trihydrate slurries comprising:
 - (a) at least 50% by weight of the slurry of dispersed aluminum trihydrate particles having an average particle size of at least 0.5 micron;
 - 10 (b) a dispersant comprising an acrylic dispersing resin, and optionally citric acid;
 - (c) a synthetic hectorite clay;
 - (d) optionally a compound to adjust pH;
 - (e) a biocide; and
 - 15 (f) water.
2. The slurry of claim 1 wherein the slurry is FDA compliant for indirect food contact.
- 20 3. The slurry of claim 1 comprising at 67-68% by weight dispersed aluminum trihydrate pigmentary particles.
4. A blended slurry comprising an aqueous slurry of pigmentary rutile titanium dioxide particles and an aqueous pigmentary aluminum trihydrate slurry comprising:
 - 25 (a) at least 50% by weight of dispersed aluminum trihydrate pigmentary particles having an average particle size of at least 0.5 micron;
 - (b) a dispersant comprising an acrylic dispersing resin, and optionally citric acid;
 - 30 (c) a synthetic hectorite clay;
 - (d) optionally a compound to adjust pH;
 - (e) a biocide; and
 - (f) water.

5. The slurry of claim 4 wherein the weight percentage of the rutile titanium dioxide slurry is from about 75 to about 50% and the weight percentage of the aluminum trihydrate slurry is from about 25 to about 50%.

6. A process for making paper comprising mixing pulp and the slurry of claim 5 to form a stock and dewatering and drying the stock to form a sheet.

7. A paper coating having as the titanium dioxide containing component an aqueous slurry of pigmentary rutile titanium dioxide particles and an aqueous pigmentary aluminum trihydrate slurry comprising:

- (a) at least 50% by weight of dispersed aluminum trihydrate pigmentary particles having an average particle size of at least 0.5 micron;
- (b) a dispersant comprising an acrylic dispersing resin, and optionally citric acid;
- (c) a synthetic hectorite clay;
- (d) optionally a compound to adjust pH;
- (e) a biocide; and
- (f) water.